

2017	Local Oscillator	August
	<h1>Local Oscillator</h1>	
Mesilla Valley Radio Club		

This is a pdf file. It will print easily. A free pdf file reader is at <http://www.adobe.com>

Current Events			Table of Contents
Date	Event	Time	NMQP Saturday Program Solar Eclipse Unclassified Educational Letter Club Roster Club Meeting Minutes Board Minutes Treasurer Report Club Location Club Officers Membership Application
Sat	Informal at Cracker Barrel	6:00 AM	
M, W, F	Informal Wal-Mart (West)	10:00 AM	
Wed	MVRC Net 146.64	6:45 PM	
August 5	Club Coffee Club House	8 AM	
August 5	Business Meeting Club House	8:45 AM	
August 1	Builder's Group Club House	7 PM	
August 3	Board Meeting Club House	7 PM	
August 8	Linux -SIG Club House	7 PM	
August 15	Builders Group Club House	7 PM	
August 22	Linux - SIG Club House	7 PM	
For more events see http://www.n5bl.org/calendar			



More information at <http://swantenna.com>



WA5DJJ at N5BL for New Mexico QSO Party

The Articles for This Month

NMQP

The photo shows WA5DJJ working N5BL during the recent New Mexico QSO Party. It was quite successful. All 33 counties had amateurs signed up to operate in them. There were more signed up for Dona Ana County than any other county except two. There were 120 logs submitted by the end of April. All that signed up for Dona Ana turned in their logs except for one. The final results will appear on the section web site (<http://www.newmexicoqsoparty.org/wp/>) shortly.

Saturday Meeting

The meeting Saturday should be interesting. It will have a slightly different format than usual. There will be the informal coffee as usual starting at 8 AM. Then at 8:45, the business meeting will start. Every effort will be made to end it by 9:15, at which time the program will begin. The program will be presented by

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KJ5NJ. He says "I'll be doing the presentation at Saturday's 05 August meeting; I'm scheduled to start at ~9:15 am. I will explain how I got involved in electronics, and I'll talk about the history of metal detectors. Like ham radios, metal detectors are transceivers. I've owned several detectors, but my first ones were homebuilt. So, my presentation will include a few block diagrams and schematics of my first detectors. It's a fun 30-minute talk that I think you'll enjoy. Hope to see you on Saturday."

Ham Researcher to Investigate Effects of Solar Eclipse

KB6NU

August 21 is a once-in-a-lifetime opportunity for many in the U.S. to see a total eclipse. It's also an opportunity for a team of Virginia Tech researchers to study the effects of the eclipse on changes in the upper atmosphere that have an impact on HF propagation and the global positioning system (GPS). Backed by research funding from NASA and the National Science Foundation, the team is headed by Dr. Greg Earle, W4GDE.

The Virginia Tech team plans to gather data from a variety of sources, including radar systems, transceivers, satellites, ham radio, and GPS receivers, in order to analyze the effects of the solar eclipse on the conductive region of the atmosphere.

"Whether military radar, or consumer GPS signals, the eclipse is going to have effects on the medium that we would like to understand better, so that we can either mitigate them or use them to our advantage," said Earle.

Here are a couple of links to news stories on the research team and the experiments:

[Virginia Tech team prepares for special project during total solar eclipse](#)

[Virginia Tech expert to study August solar eclipse effects on radar, ham radio, GPS](#)

Let's operate the QSO party!

In conjunction with the eclipse, the HamSCI and the ARRL are sponsoring the [Solar Eclipse QSO Party](#). (SEQP). According to an article in the August 2017 issue of *QST*, the goal of the SEQP is to "flood the airwaves with contacts, all measured by the automated receiver networks of the Reverse Beacon Network, PSKReporter, and WSPRNet." Once all the logs are in, researchers will analyze the data to see what effect the eclipse had on radio propagation.

A YouTube video of a presentation at Dayton on the SEQP can be found at <https://youtu.be/3EviY2Cuxpo?list=PLihPo8xWmo8-xDYAtpP9BWX9QnhUoT7k4>

The SEQP will run from 1400Z - 2200Z on Monday, August 21. This is well before the eclipse is due to begin on the West Coast. The reason it starts before the eclipse is to establish a baseline for radio propagation conditions.

SEQP organizers urge you to make as many contacts as you can on as many bands as you can operate. Like nearly every contest, contacts are not allowed on

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60m, 30m, 17m, and 12m. CW, RTTY, and PSK31 are the preferred modes because automated receivers can record those contacts, but phone and other digital modes count, too.

An interesting twist to this contest is that, like Field Day, you can earn a number of bonus points, including:

Operating outdoors (100 points)

Operating in a public place (100 points)

Operating a wide-band automated receiver at your station (100 points)

Hams have had a long history of supporting scientific research. They provided communications for some of the early polar explorations and listened for Sputnik as it flew overhead. The Solar Eclipse QSO Party continues this tradition, and it's going to be a lot of fun as well. Visit the [HamSCI website](http://www.hamsci.com) for more information.

Unclassified

For Sale: Ameritron AL-80BQ 1 KW Amplifier (SN 19808Q)

This amplifier was primarily owned by Joe Ostrowski KI5FJ, at least twice published in QST Magazine. I have all of the documentation. I purchased it from Joe when he left the area but did not use it because it was more than I could handle as an "appliance" operator.

AL-80BQ was sold for \$1795. He also had factory installed the QSK-5PCI and the GOP-100.

ASKING ONLY \$500.00 - Pick up in Las Cruces.

(Link to the Ameritron site for this amplifier is

<http://www.ameritron.com/Product.php?productid=AL-80BQ>)

For more information, please e-mail the seller, John Cruddas, KE5JWC, at

ke5jwc@gmail.com

Educational Letter

As part of the effort to get the county to recognize the non-profit nature of the club (and as a result pay fewer taxes) the following letter was sent listing some of our educational efforts. That letter gives a useful summary of some of the club's activities and appears on the next two pages.

MESILLA VALLEY RADIO CLUB



POST OFFICE BOX 1443, LAS CRUCES, NEW MEXICO, 88004

26 July 2017

Dona Anna Tax Assessor Office
845 N. Motel Blvd
Las Cruces, NM 88007

Dear Mr. Ponce,

As you're aware, the Mesilla Valley Radio Club has applied for a tax-exempt status. You and I met, by the way, during the meeting last week at the MVRC's clubhouse. Per your request, I'm detailing educational opportunities, which are offered to our members and the general public.

Membership is not required to attend our meetings. Each month, presentations are done with the goal of teaching some aspect of amateur radio, e.g., transceiver or antenna building, modes of operation, safety, FCC regulations, and so on. Beyond our meetings, we offer radio-license classes annually to help individuals in Doña Ana County become hams. And, MVRC is certified with the American Radio Relay League to provide testing for licenses. These testing sessions are available to the general public as well.

Last year, the MVRC sponsored a museum exhibit at the Branigan Cultural Center here in Cruces. On display were dozens of antique radios from the collections of our membership. We also had three operating ham stations, which offered visiting grade-school students and other visitors the opportunity to get on the air. And, MVRC members were always available to answer questions about our display. Our goal was amateur-radio awareness and education. A few of the exhibit's visitors have since become hams by attending one of our testing sessions.

The MVRC currently contains ninety-seven members as well as having a huge knowledge base. We are always willing to help new hams with the setup of their stations. We also provide communication for local road races. And, we always participate in the annual Field Day event, which teaches new hams how to operate on emergency power as preparation for providing communication during a nation disaster. The Mesilla Valley Radio Club is an asset to Doña Ana County.

Please feel free to contact me if you have questions.

Respectfully,

Howard Brewington
MVRC Secretary
comet_brewington@msn.com

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The Club Roster

The latest club roster is available. If you click on the following link, it will appear as a pdf file.

URL <http://n5bl.org/mvrcMem201707.pdf>

It is recommended that you print it out and keep it handy at your operating position. It consists of two main parts. The first lists all club members in alphabetical order. The second part lists all club members by their call signs. The roster also contains other information such as class of license and some contact information. Print only the first four pages.

Monthly Club Meeting

There was no July general meeting

Monthly Board Meeting

There was no July meeting

Board meetings are open to the entire membership; please feel free to join us.

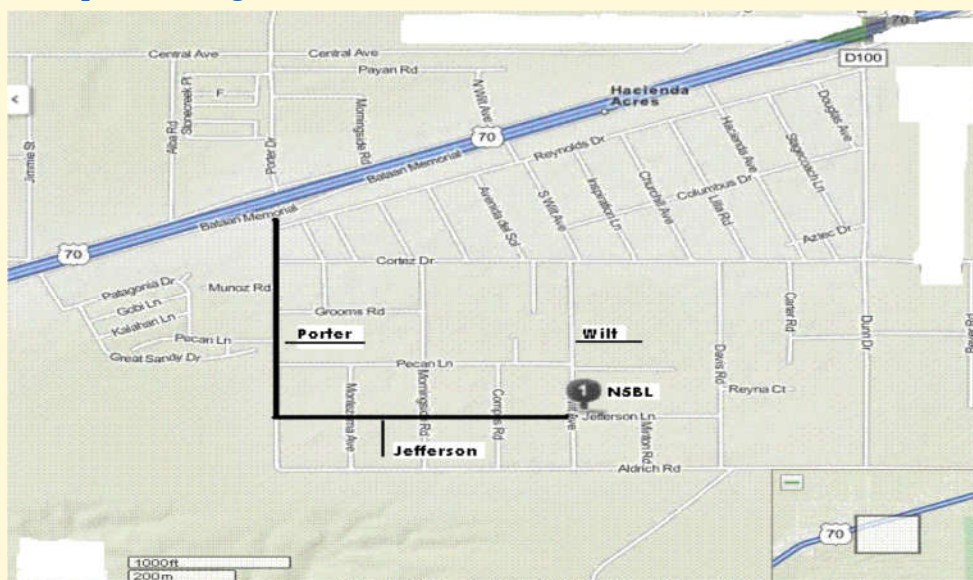
They are now held on the Thursday before the general meeting at 7 pm.

Treasurer Report

The treasurer's report is given at the general meeting

CLUB INFORMATION

The MVRC Clubhouse is located at the intersection of Wilt and Jefferson. To find the clubhouse, set your destination on your GPS receiver as 32 degrees 22.961 minutes and -106 degrees 41.44 minutes. If you don't own a GPS, take the Porter exit near the firehouse on US 70. It is about 5 miles east from the I 25 interchange. Go south on Porter until you come to Jefferson. There turn left toward the mountains and go to Wilt. You will see the beam on the corner. The treasurer would be delighted to receive your contribution for landscaping and furnishing. More information at <http://n5bl.org>



Officers

Office	Name	Call	Phone	E-Mail
President	Sven Breden	K5SHB	635-0414	sven.breden@gmail.com
Secretary	Howard Brewington	KJ5NJ	575-496-8616	comet.brewington@msn.com
Treasurer	Furman Smith	KF5KHL	382-5982	smithf@zianet.com
Board Members				
Education	Cash Olsen	KD5SSJ	382-1917	kd5ssj@arrl.net
Clubhouse	Bob Bennett	AD5LJ	382-0148	rpbennett1@comcast.net
Newsletter	Alex. Burr	K5XY	522-2528	k5xy@arrl.net
Repeater	Robert Truitt	KE5OFK	649-4173	robhtruitt@zianet.com
Commo	George Kopp	KD5OHA	649-9503	geokd5oha@yahoo.com
Special	Earl Drexler	N5TMT	639-0556	earld7@yahoo.com

JOIN THE MESILLA VALLEY RADIO CLUB

Name(s) _____

EMAIL _____

If you want confirmation that your payment was received and processed, please include your email address

Street Address _____ PO Box# _____

City _____ Zip _____ Phone _____

To join the Mesilla Valley Radio Club or renew your membership, please complete this form and print or cut out. Send it to **"Treasurer, MVRC, PO Box 1443, Las Cruces, NM 88004"** with annual dues (\$35 single, \$45 family)

Date: _____ Method of payment: Check No. _____ Other _____

Call Sign(S) _____ Family Membership Yes _____ No _____

License Class (E, A, G, T, N) _____ ARRL Member? (Y/N) _____

Are You a ARRL Volunteer Examiner (Y/N) _____

Would you like to be added to the MVRC reflector (email information system)? _____

Interests

Computer _____ Contests _____ Digital _____ Elmer _____ Emergency Communications _____

Field Day _____ Packet _____ Programs _____ Public Service _____ Publicity _____ RFI _____

Repeater _____ Social _____ License Classes _____ Teach Licensing Classes _____

Volunteer Examiner _____ QRSS _____ Other _____

Comments